

ICETCE 18

1st International Conference

On

“Emerging Technologies in Computer Engineering”

(ICETCE-2018)

02nd-03rd February, 2018

Technically Sponsored By

Computer Society Chapter, IEEE Delhi Section

IEEE  computer society

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CONFERENCE REPORT

Organised By:



Department of Computer Science & Engineering (NBA Accredited)
Swami Keshvanand Institute of Technology, Management & Gramothan, Jagatpura, Jaipur-302017

Telephone: 0141-5160400 (Ext. 283, 286, 280), Fax: 014-2759555

Website: www.skit.ac.in

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	AUTHOR/OWNER	REVIEWED BY	APPROVED BY
NAME	Ms. Anjana Sangwan, Ms. Priyanka	Mr. Pankaj Dadheech, Mr. M. K. Beniwal	Prof.(Dr.) C.M. Choudhary, Prof.(Dr.) Anil Chaudhary
DESIGNATION	SECRETARY	COORDINATOR	CONVENER



Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur - 302017



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Telephone: +91-141-5160400, 2752165/67, Ext. 283, 280

Fax: +91-141-2759555 URL: <http://www.icetce.in> E-mail: icetce2018@skit.ac.in

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GLIMPSES OF ICETCE-2018



OVERVIEW OF ICETCE-2018

1. Introduction:

First National Conference started in 2011. This conference aims to provide a stage for expert technical exchanges and exhibition regarding the advanced technologies, equipments, techniques, and innovations applied in the field of Computer Engineering.

It has attracted government officials, multinational experts, managers, researchers and technocrats in a relevant field to discuss together their ideas and experiences.

The Organizing Committee of the ICETCE-2018, with its utmost sincerity, intends to invite all the related experts and scholars world wide to attend the Conference and to realize the most extensive exchanges and discussion in this field.

Vision

“To contribute to the Research Community through excellence in scientific and technical research; to serve as a valuable resource, platform for industry and society; and remain a source of pride for researchers.”

Mission

“To advance the state of the art in Computer Engineering and to bring those advances in benefit of Society’s businesses.”

2. Pre-Conference National Workshops:

(i). Infosys Sponsored Deep Dive Faculty Enablement Program (DDFEP) on “Foundation Program 4.1” (18th-22nd Sept. 2017)

Date: 18th-22nd Sept. 2017 (One Week)

Venue: IAI Lab, CSE/IT Department, Vikram Sarabhai Block

No. of Faculties: 51 (Pan India Participation)

Tools Used: Eclipse, Tomcat Server, Spring Framework

Purpose of Workshop

To make the faculties learn about Campus Connect Foundation Program in a better way. Faculty Enablement Program introduces to the faculty with Generic courses & faculties aware about Camus Connect teaching methodology. To Prepare faculties to roll out the Foundation Program in Campus Connect Partner Colleges. To build a sustainable partnership with engineering education institutions in India and abroad for mutual benefit, producing “industry ready” recruits. It exposes faculty to the Infosys way of professional training and sharing industry best practices.

The foundation program is aimed at imparting the necessary knowledge and skills to a fresh entrant to take up the challenges of a project work. It follows a hands-on approach with access to the latest technologies and tools. Campus Connect equips graduates not only in computer science and software engineering, but also helps them apply their learning to practical situations, with special emphasis on teamwork, project management, cross functional networking and effective communication. The foundation program is aimed at imparting the necessary knowledge and skills to a fresh entrant to take up the challenges of a project work and to make students “**industry ready**”.

TRAINERS:

1. **Mr. Anuj Madhusudan Jajoo**, Technology Lead, Education Training & Assessment, Infosys Ltd.
2. **Ms. Kalpana Balaraman**, Technology Lead, Education Training & Assessment, Infosys Ltd.

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SCHEDULE

Deep Dive Faculty Enablement Program (FEP)

on Foundation Program 4.1



Date: 18 - 22 Sep 2017

Venue: Swami Keshvanand Institute of Technology, Jaipur

Inaugural Session

Date	From	To	Duration	Area	Session Mode	Workshop Topic	Venue	Anchor	
Day 1	7:30 AM	8:30 AM	1:00			Breakfast	Mess	Participants	
	8:30 AM	9:00 AM	0:30	Inauguration		Registration, Faculty kit distribution	Inaugural Venue: Sir M. Visweringaraya Block (J.C. Bose Seminar Hall), SKIT, Jaipur	Participants	
	9:00 AM	9:10 AM	0:10		Video	Infosys Movie		Kalpna, Lead, ETA, Infosys	
	9:10 AM	9:20 AM	0:10		Interaction	Welcome and Introduction of Participants		Kalpna Balaraman	
	9:20 AM	9:30 AM	0:10		Lecture	Keynote Address		Chairman / Director / Director (Academic)	
	9:30 AM	9:45 AM	0:15		Lecture	Role of Infosys Campus Connect Program in Industry-Academia Partnership		Anuj Jajoo, Lead, ETA, Infosys	
	9:45 AM	10:05 AM	0:20		Lecture	FP4.1 - The Rationale / Briefing		Kalpna Balaraman	
	10:05 AM	10:30 AM	0:25					Photo Session and Tea Break	Participants
	Module-1: OOP using Python								
	10:30 AM	10:50 AM	0:20	Basic Python	Assessment	Pre-Feedback and Pre-Assessment	Industry Academia Interface Lab	Participants	
	10:50 AM	11:50 AM	1:00		Lecture	Basics - Keywords, Variables, Operators, Collections		Anuj	
	11:50 AM	12:15 PM	0:25		Lecture + Hands-on	Eclipse / Lidlipse, Python Configuration - Hands-On		Anuj	
	12:15 PM	12:30 PM	0:15		Tools	Tools Exposure (Python Tutor)		Anuj	
	12:30 PM	1:30 PM	1:00			Lunch	Mess	Participants	
1:30 PM	2:30 PM	1:00	Basic Python	Lecture + Demo	Control Statements	IAI Lab	Anuj		
2:30 PM	3:15 PM	0:45		Hands-on	Hands-On Assignments		Anuj		
3:15 PM	3:30 PM	0:15			Tea Break		Participants		
3:30 PM	4:30 PM	1:00	Basic Python	Lecture + Hands-on	Functions, Exception Handling and File operations	IAI Lab	Anuj		

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	4:30 PM	4:45 PM	0:15		Lecture	How to generate Hands-On Question Paper for Module 1 & 2/ Project Specification Document for Module 3		Kalpana
	4:45 PM	5:00 PM	0:15		Lecture	Module 3: Project Briefing		Kalpana
	4:45 PM	5:00 PM	0:15		Interaction	Feedback and Reflection of the Day		Participants
	8:30 PM	9:00 PM				Dinner	Mess	Participants
Module-1: OOP using Python								
Date	From	To	Duration	Area	Session Mode	Workshop Topic	Venue	Anchor
Day 2	7:30 AM	8:30 AM	1:00			Breakfast	Mess	Participants
	9:00 AM	10:00 AM	1:00	OOP using Python	Lecture + Demo	Classess and Objects	IAI Lab	Anuj
	10:00 AM	10:45 AM	0:45		Hands-on	Hands-on Assignments		Anuj
	10:45 AM	11:00 AM	0:15			Tea Break		Participants
	11:00 AM	12:00 PM	1:00	OOP using Python	Lecture + Demo	Method Invocation	IAI Lab	Anuj
	12:00 PM	12:45 PM	0:45		Hands-on	Hands-on Assignments		Anuj
	12:45 PM	1:45 PM	1:00			Lunch	Mess	Participants
	1:45 PM	2:45 PM	1:00	OOP using Python	Lecture + Demo	Static, Class and Instance Methods	IAI Lab	Anuj
	2:45 PM	3:30 PM	0:45		Hands-on	Hands-on Assignments		Anuj
	3:30 PM	3:45 PM	0:15			Tea Break		Participants
	3:45 PM	4:30 PM	0:45	OOP using Python	Lecture + Demo	Relationships	IAI Lab	Anuj
	4:30 PM	5:30 PM	1:00		Assessment	Module 1 : OOP using Python - Hands-On Assessment		Participants
	5:30 PM	5:45 PM	0:15		Interaction	Feedback and Reflection of the Day		Participants
8:30 PM	9:00 PM				Dinner	Mess	Participants	
Module-2: RDBMS								
Date	From	To	Duration	Area	Session Mode	Workshop Topic	Venue	Anchor
Day 3	7:30 AM	8:30 AM	1:00			Breakfast	Mess	Participants
	9:00 AM	10:15 AM	1:15	RDBMS	Lecture	Database Design Techniques	IAI Lab	Kalpana
	10:15 AM	10:45 AM	0:30		Hands-on	Hands-on Assignments on Database Design, Normalization		Kalpana
	10:45 AM	11:00 AM	0:15			Tea Break		Participants
	11:00 AM	12:15 PM	1:15	RDBMS	Lecture	SQL - Basics, GROUP BY, HAVING & Constraints	IAI Lab	Kalpana
	12:15 PM	1:00 PM	0:45		Hands-on	Hands-on Assignments		Kalpana
	1:00 PM	2:00 PM	1:00			Lunch	Mess	Participants
	2:00 PM	3:00 PM	1:00	RDBMS	Lecture	SQL: Joins - Cross Join, Inner Join, Outer Join - Left and Right Outer Joins, Self Join	IAI Lab	Kalpana
	3:00 PM	3:45 PM	0:45		Lecture + Hands-on	Hands-on Assignments		Kalpana
	3:45 PM	4:00 PM	0:15			Tea Break		Participants
	4:00 PM	4:45 PM	0:45	RDBMS	Lecture	SQL: Subqueries, EXISTS / NOT EXISTS	IAI Lab	Kalpana

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	4:45 PM	5:45 PM	1:00	RDBMS	Assessment	Module 2 : RDBMS - Hands-On Assessment		Participants
	5:45 PM	6:00 PM	0:15		Interaction	Feedback and Reflection of the Day		Participants
	8:30 PM	9:00 PM				Dinner	Mess	Participants
Module-3: Python - DB Integration								
Date	From	To	Duration	Area	Session Mode	Workshop Topic	Venue	Anchor
Day 4	7:30 AM	8:30 AM	1:00			Breakfast	Mess	Participants
	9:00 AM	10:00 AM	1:00	RDBMS	Lecture	Transactions and Introduction to PL/SQL	IAI Lab	Kalpana
	10:00 AM	10:45 AM	0:45		Hands-on	Assignments on PL/SQL		Kalpana
	10:45 AM	11:00 AM	0:15			Tea Break		Participants
	11:00 AM	12:15 PM	1:15	Python DB	Lecture	Python Database Integration using Oracle	IAI Lab	Kalpana
	12:15 PM	1:00 PM	0:45		Hands-on	Hands-on Assignments		Kalpana
	1:00 PM	2:00 PM	1:00			Lunch	Mess	Participants
	2:00 PM	3:30 PM	1:30	Python DB	Project	Project Implementation (Python - Oracle Integration)	IAI Lab	Participants
	3:30 PM	3:45 PM	0:15			Tea Break		Participants
	3:45 PM	5:15 PM	1:30	Python DB	Project	Project Implementation (Python - Oracle Integration)	IAI Lab	Participants
	5:15 PM	5:30 PM	0:15		Interaction	Feedback and Reflection of the Day		Participants
	8:30 PM	9:00 PM				Dinner	Mess	Participants
Project Presentation, Assessment and Closure								
Date	From	To	Duration	Area	Session Mode	Workshop Topic	Venue	Anchor
Day 5	7:30 AM	8:30 AM	1:00			Breakfast	Mess	Participants
	9:00 AM	10:45 AM	1:45		Project	Project Implementation	IAI Lab	Participants
	10:45 AM	11:00 AM	0:15			Tea Break		Participants
	11:00 AM	1:30 PM	2:30		Project	Project Presentations	IAI Lab	Participants
	1:30 PM	2:30 PM	1:00			Lunch	Mess	Participants
	2:30 PM	3:10 PM	0:40	Assessment	Assessment	Online Assessment	IAI Lab	Participants
	3:10 PM	3:30 PM	0:20		Interaction	Post-Feedback		Participants
	3:30 PM	4:00 PM	0:30	Closure	Interaction	Summarizing, Experience sharing and FP4.1 Roll-out plans sharing by the participants.	Valedictory Venue: IAI Lab	Participants
	4:00 PM	4:15 PM	0:15		Lecture	Campus Connect Road Ahead / Inspire Briefing		Kalpana
	4:15 PM	4:25 PM	0:10		Lecture	Valedictory Address		Chief Guest
	4:25 PM	4:40 PM	0:15		Group Activity	Certificate Distribution		Chief Guest
	4:40 PM	4:50 PM	0:10		Lecture	Vote of Thanks		Anuj
4:50 PM	5:15 PM	0:25		Interaction	Facilitation, High Tea and Departure		Participants	

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Deep Drive Faculty Enablement Program

Infosys | Campus Connect

"Foundation Program 4.1"

18th-22nd September, 2017

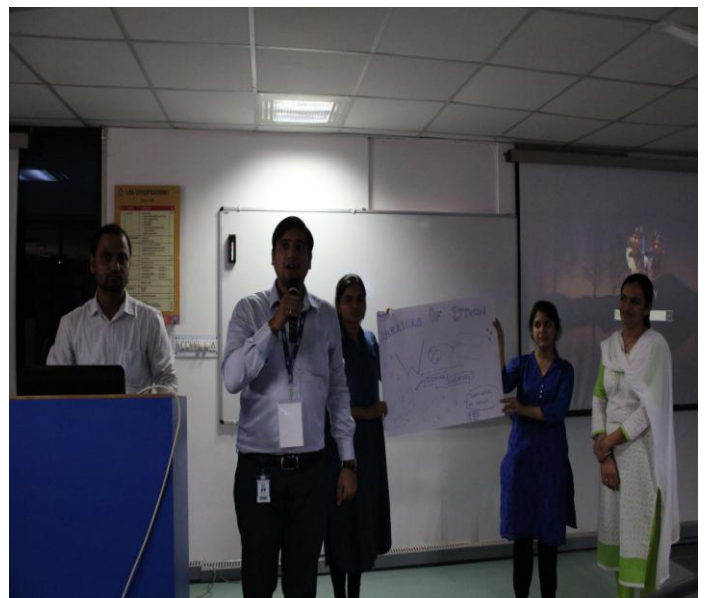


Department of CSE & IT (NBA Accredited)

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur
Telephone: 0141-2752165/67, 5160400, Ext: 286, 283, 280, Fax: 0141-2759555, Website: www.skit.ac.in



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(ii). AICTE Sponsored FDP on “Deep Learning in Big Data Analytics” (06th-17th Nov. 2017)

Date: 06th-17th Nov. 2017 (Two Weeks)

Venue: IAI Lab, CSE/IT Department, Vikram Sarabhai Block

No. of Faculties: 83 (Pan India Participation)

Purpose of Workshop

To make the faculties learn latest technologies on Deep Learning in Big Data Analytics in a better way. To make faculties acquainted with the latest research in Deep Learning in Big Data Analytics Platform. The next generation of applications must be delivered faster, enhanced ease and be more integrated, intelligent and secure. It follows a hands-on approach with access to the latest technologies and tools.

TRAINERS:

- 1. Dr. Anush Sankaran (IBM), Research Scientist, Cognitive Systems India Research Laboratory, Bangalore, India.**
- 2. Mr. Sumit Bhalla, Data Scientist, IBM Digital Business Group, New Delhi.**
- 3. Dr. Emmanuel Pilli, Assistant Professor, Malaviya National Institute of Technology, Jaipur.**
- 4. Mr. Ashutoshh Singh, Opensource Technical Associate, Freelancer, DevOps Engineer.**
- 5. Prof. R. K. Agarwal, Professor, Jawaharlal Nehru University, Delhi.**
- 6. Dr. Sakthi Balan Muthiah PhD (IIT Madras) (Formerly with UWO, Canada and Infosys, Bangalore),
Dean Faculty Affairs and Associate Professor, Department of Computer Science and Engineering, LNMIIT, Jaipur.**
- 7. Prof. Rushikesh K. Joshi, Professor, Department of Computer Science & Engineering, Indian Institute of Technology Bombay.**
- 8. Dr. Yogesh Meena, Assistant Professor, Malaviya National Institute of Technology, Jaipur.**
- 9. Prof. Niladri Chatterjee , Professor, Indian Institute of Technology (IIT), Delhi.**
- 10. Mr. Bharatkumar Sharma, Senior Solutions Architect, Nvidia, Bangalore.**
- 11. Mr. Pankaj Jain, Technology Lead at Infosys Ltd.**
- 12. Mr. Swapnil Sharma, Technology Lead at Infosys Ltd.**
- 13. Shubham Jain, Technology Lead at Infosys Ltd.**

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AICTE Sponsored Faculty Development Programme

“Deep Learning in Big Data Analytics”

06th - 17th November, 2017



Department of Computer Science & Engineering (NBA Accredited)

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur

Telephone: 0141-2752165/67 516400, Ext. 286, 283, 280, Fax: 0141-2759555, Website: www.skit.ac.in/fdpce2017



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(iii) Two Days Infosys Sponsored National Workshop on “Web Applications and Security” (29th-30th Jan. 2018)

Venue: Sir M. Visvervaraya Block (J.C. Bose Seminar Hall), SKIT, Jaipur

Purpose of Workshop

To make student learn new technologies going in Web Development and Security. To make students acquainted with the latest research in Web Applications, Information Security & Application Security.

TECHNOLOGY: Spring Framework, Network Security, Cryptography, Digitally Signed Documents.

TRAINERS:

1. Mr. Kulvaibhav Kaushik, Technology Lead, Infosys Limited
2. Ms. Ranu Sharma, Sr. Systems Engineer, Infosys Limited

Student Participants: 84 (CS/IT, 6th Semester)

Faculty Participants: 5

Faculty Participants from SKIT: Mrs. Anjana Sangwan, Mr. M.K.Beniwal, Mr. Pankaj Dadheech, Ms. Kajal Mathur, Mr. Naveen Jain.

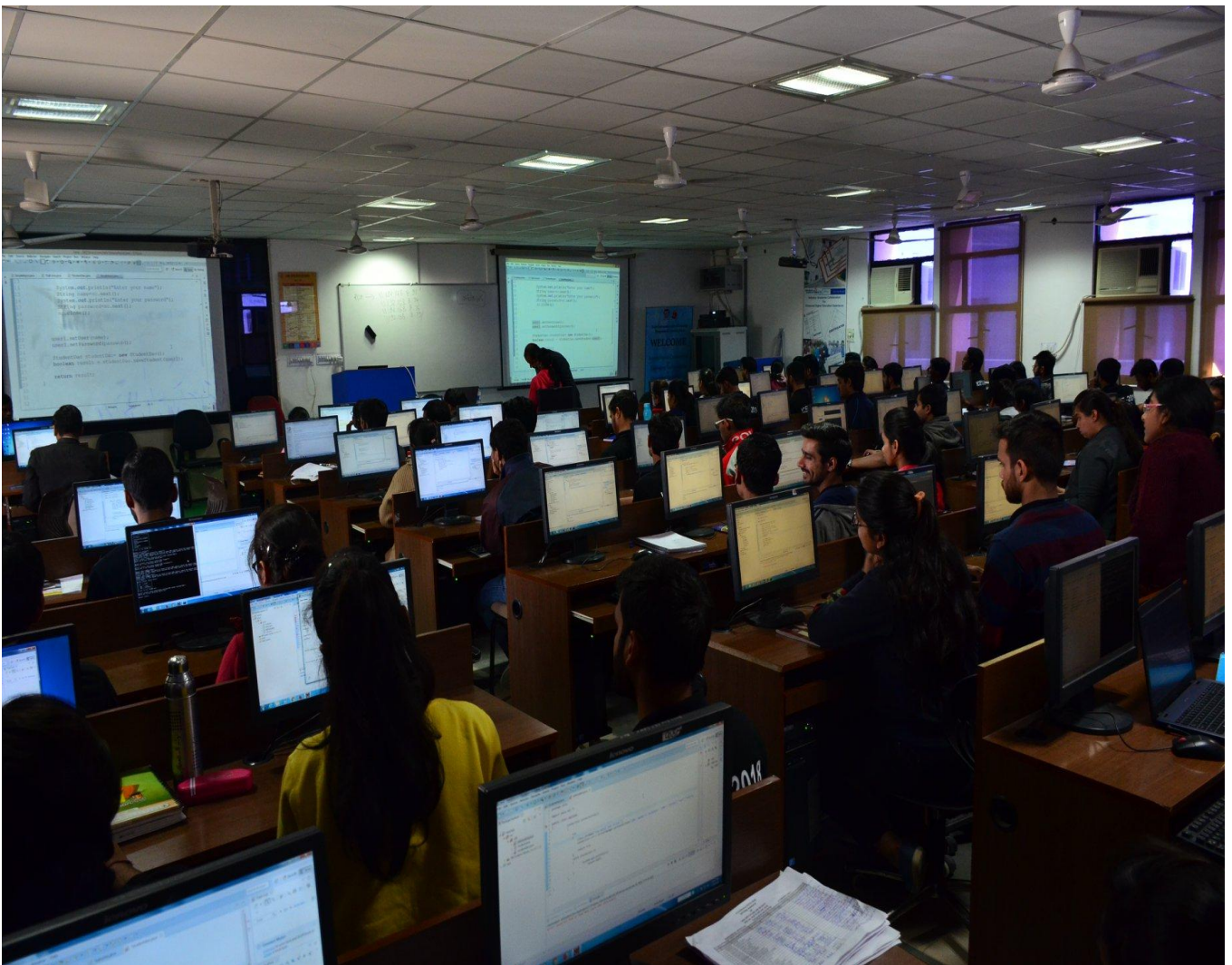
Tools used: Eclipse Mars, My SQL, Java 1.6, Apache Tomcat Server 8, Spring Framework

Venue: Industry Academia Interface Lab (IAI Lab), SKIT, Jaipur



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Hands On Session:



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WORKSHOP SCHEDULE



Web Applications and Security						
Pre Conference (ICETCE-2018) National Workshop, SKIT Jaipur						
29 th - 30 th January 2018						
From	To	Duration	Theme	Workshop Topic	Mode	Anchor
Day 1 - 29th January 2018						
9:00 AM	10:00 AM	1:00	Inaugural	Registration	Lecture	SKIT Team
				Inaugural Address		
				Objectives and overview of workshop		
10:00 AM	10:15 AM	0:15	Break			
10:15 AM	12:00 Noon	1:45	Information Security	Introduction to Web applications	Lecture	Infosys Team
				Information security		
				Cryptography		
				Network Security		
				Application Security		
12:00 Noon	1:00 PM	1:00	Lunch Break			
1:00 PM	3:00 PM	2:00	Application Security	Secure Coding Practice	Lecture	Infosys Team
				Coding Principles		Infosys Team
				Web attacks and prevention methods		
Day 2 - 30th January 2018						
9:00 AM	9:10 AM	0:10	Application Security	Context Setting for the day	Lecture	Infosys Team
9:10 AM	10:45 AM	1:35		Web attacks methods		
				Prevention methods		
10:45 AM	11:00 AM	0:15	Break			
11:00 AM	12:00 Noon	1:00	Project	Installation and setup	Practical	Infosys Team
				Assignment and Project		
12:00 Noon	1:00 PM	1:00	Lunch Break			
1:00 PM	2:30 PM	1:30	Project	Assignment and Project	Practical	Infosys Team
2:30 PM	3:00 PM	0:30	Feedback and Closure	Closure, Feedback and Felicitation		SKIT/ Infosys Team

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- **Workshop's Outcomes (R&D, Placement)**

The workshop had a lot of knowledge of recent trends in Java those are very important for the students of pre final year. This workshop will definitely help the students in their recruitment as well as in academics.

- **Road Ahead**

The workshop will help students in future for their minor and major projects of the 7th & 8th semester students. We are expecting these knowledgeable workshops in future also.



Classroom Session



Inaugural Address



Certificate Distribution

(iv) **IEEE Sponsored National Workshop on “ IT/Software Project Management and IEEE Standards in the Current Emerging/Future Technologies” (01st Feb. 2018)**

Venue: Sir M. Visvervaraya Block (J.C. Bose Seminar Hall), SKIT, Jaipur

Purpose of Workshop

To make student learn new technologies going in Information Technology Sector, Software Project Management and IEEE Standards. To make students acquainted with the latest research in the Current Emerging Technologies.

No. of students: 350 (6th Sem.)

No. of faculty members : 27



Topics Covered in the Workshop:

1. Building IT/Software Projects-Build to Last to Built to Change-Emerging Challenges from Project Management to Project Governance.
2. Skills and Experiences in Designing Large Educational IT Projects.
3. IEEE Standards in Emerging Technologies such as IOT etc.
4. Role of standards in IT Project Governance.

Prof. (Dr.) K. Subramanian in his presentation discussed on following points in detail:

- Architecting/ Building IT/ Software Projects.
- Organizations & ICT.
- Major Issues & Challenges in Large eGov Projects.
- Changing Role: Project Management in IS/IT in Enterprises.
- Success & Failure Analysis: Multi sector- Multi location- Multi stakeholders Projects Lessons Learned.
- Four Mantras of Good Project Governance.
- Effective Information Assurance Practices.

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Pre Conference (ICETCE-2018)
National Workshop



on
“IT/Software Project Management and IEEE Standards in the Current Emerging/Future
Technologies”

01st February, 2018 (Thursday)

Sponsored By

Computer Society Chapter, IEEE Delhi Section



SCHEDULE

Time	Agenda	Speaker
8.00 AM - 9.00 AM	Registration	
9.00 AM - 10.00 AM	Inaugural Function and Motivational Talks	
10.00 AM – 12:00 AM	Session I - Building IT/Software Projects-Build to Last to Built to Change-Emerging Challenges from Project Management to Project Governance.	Prof. (Dr.) K. Subramanian , Chair, Delhi IEEE Section
12.00 AM - 01.30 PM	Session II - Skills and Experiences in Designing Large Educational IT Projects.	Dr. A. Murali M. Rao , Director CC, IGNOU and Past Chair, IEEE CS, IEEE Delhi section
01.30 PM - 02.15 PM	Lunch	
02.15 PM - 04.15 PM	Session III - IEEE Standards in Emerging Technologies such as IOT etc.	Sri Chandra , IEEE Director standards, IEEE Bangalore office
04.15 PM - 04.30 PM	Break – Snacks	
04.30 PM - 05.30 PM	Session IV - Role of standards in IT Project Governance.	Prof. S.S. Tyagi , Chairman, IEEE CS, Delhi section & HOD,CS, Manav Rachna International University, Faridabad
5.30 PM - 06.00 PM	Vote of Thanks Feedback and Certificates	Prof. (Dr.) Anil Chaudhury HOD-IT, SKIT

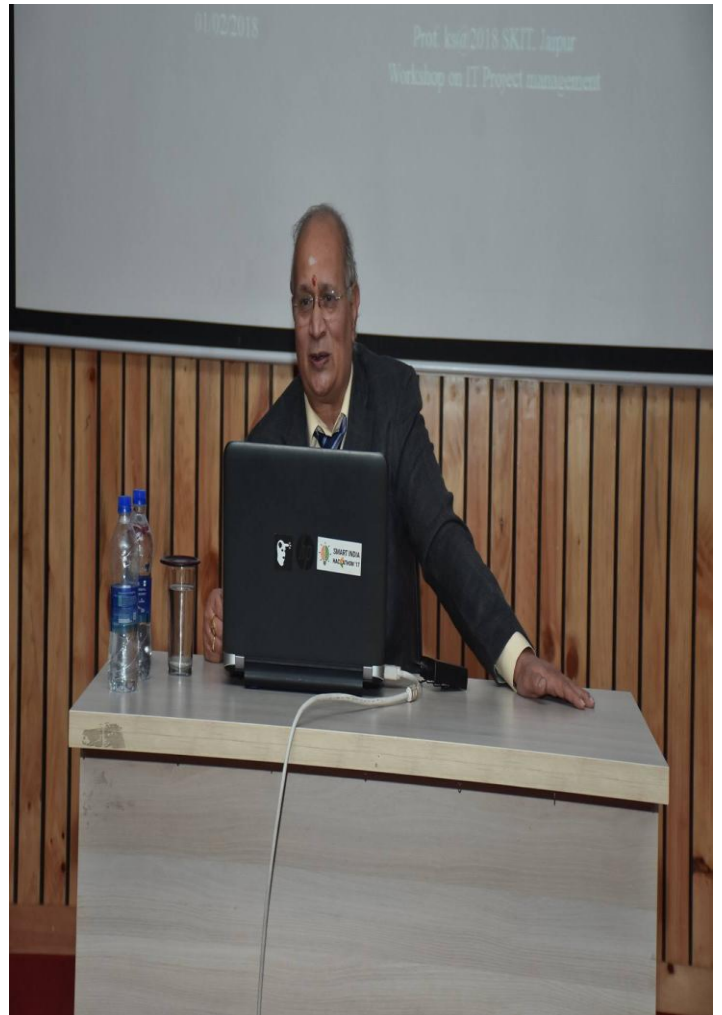
Sri Chandra (IEEE Director standards, IEEE Bangalore office) in his presentation discussed on following points in detail:

- IEEE Standards in Emerging Technologies.
- IEEE IoT Initiative.
- IEEE Blended Learning Program.

Prof. (Dr.) S. S. Tyagi in his presentation discussed on following points in detail:

- Traditional Network & need to change.
- SDN & Expectations.
- OpenFlow & Research Directions.
- Software-Defined Network with key Abstractions.
- Methodology: Software & Tools Details (Simulators).

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INTERNATIONAL CONFERENCE

3. Two Days International Conference on “Emerging Technologies in Computer Engineering” ICETCE-2018 (02nd-03rd Feb. 2018)

INAUGURAL CEREMONY



CHIEF GUEST – Shri Shailendra Sharma, Additional Commissioner, Income-Tax Department.

INVITEES– Prof. Seeram Ramakrishna (Vice President, Research Strategy, NUS, Singapore), Prof. (Dr.) Arun K. Somani (Associate Dean for Research, College of Engineering, Iowa State University, Ames, USA), Mr. Ripudaman (Managing Director, Natural Group), Mr. Shiv Prakash Ojha, Senior Architect from Infosys Ltd.), Prof. K. Subramanian (Chair, IEEE Delhi Section), Dr. A. Murali M. Rao (Past Chair, IEEE CS, Delhi Section), Mr. Lawrence Mohanraj (IBM Developer Ecosystem Group, IBM India Pvt. Ltd, Chennai), Dr. Sumit Srivastava (Senior Member, IEEE Delhi Section & Professor (CSE), Manipal University), Dr. Arvind Kumar Sharma (Assistant Professor, University of Kota, Rajasthan), Dr. Lalit Singh (Scientist, NPCIL, Department of Atomic Energy, Govt. of India), Dr. Ramesh C. Poonia (Associate Professor (CS), AIIT, Amity University, Rajasthan), Dr. Linesh Raja, Assistant Professor, AIIT, Amity University, Rajasthan.

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ICETCE-2018 PROCEEDINGS UNVEILED



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INAUGURATION

The inaugural ceremony on the first day of the 1st International Conference on Emerging Technologies In Computer Engineering began with all the zeal and zest. The ceremony unveiled with the lighting of the divine lamp by the dignitaries.

The Keynote Address by the Chief Guest of the program, Shri Shailendra Sharma (Additional Commissioner, Income-Tax Department). The Guest of Honour Prof. (Dr.) Arun K. Somani (Associate Dean for Research, College of Engineering, Iowa State University, Ames, USA) & Guest of Honour Prof. Seeram Ramakrishna (Vice President, Research Strategy, NUS, Singapore) addressed the audience with his blessing words.

Mr. Ripudaman (Director, Natural Group) gave an introductory speech briefing about the themes of the two day conference. This was followed by the inspiring and motivational words by Prof. (Dr.) K. Subramanian (Chair, IEEE Delhi Section) and also motivated the students.

The Motivational Talk given by Guest of Honour Mr. Shiv Prakash Ojha, Senior Architect from Infosys Ltd.) and by Guest of Honour Mr. Lawrence Mohanraj (IBM Developer Ecosystem Group, IBM India Pvt. Ltd, Chennai).

The chairman of SKIT, Shri Surja Ram Meel, Shri Jaipal Meel (Director, SKIT), Prof. (Dr.) Ramesh Pachar (Principal, SKIT), Prof. M. L. Bhargava (Advisor, SKIT) also plugged in the audience with enthusiasm. The inaugural session ended with the vote of thanks by Prof. (Dr.) S. K. Calla (Director D&W, SKIT).

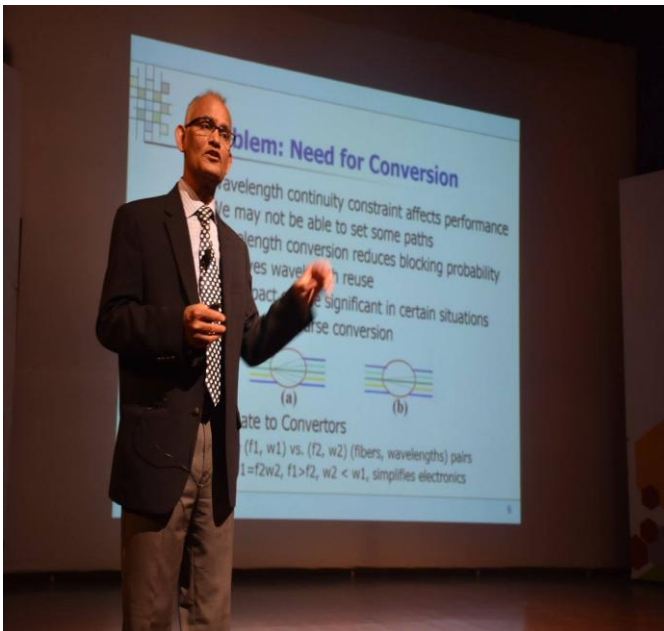


Plenary Talks

Plenary Talk-I on “**Simple Problems Complex Solutions in Networking and Computing**” by an Expert- **Prof. (Dr.) Arun K. Somani**, Associate Dean for Research, College of Engineering, Iowa State University, Ames, USA.

Plenary Talk-II on “**IoT, Big Data, AI, Materials Informatics and Circular Economy**” by an Expert- **Prof. Seeram Ramakrishna**, Vice President, Research Strategy, NUS, Singapore.

Key-Note Address on “**Our Cognitive Future**” (**How Cognitive & Cloud Computing are transforming our lives**)” given by Guest of Honour Mr. Lawrence Mohanraj (IBM Developer Ecosystem Group, IBM India Pvt. Ltd, Chennai).



Prof. (Dr.) Arun K. Somani in his presentation discussed on following points in detail:

- Optical Networking.
- Simple looking problems can be complicated.
- Efficient solution methodologies needed.
- Simple is better.
- Sometime complex solutions are must.
- Discussed about overall Simple Problems Complex Solutions in Networking and Computing.



Prof. Seeram Ramakrishna in his presentation discussed on following points in detail:

- The Internet of Things, IoT Remote monitoring of floating solar farms.
- Physical space and cyberspace will be seamlessly connected via integration of emerging technologies such as artificial intelligence, machine learning, Big Data, and augmented reality into every aspect of life.
- Deep learning enabled Big data analytics
- IoT and AI enabled operations
- Circular economy, IoT and AI
- Applying machine learning algorithm to IoT

- 11 Paper presentation were there in this Track of Technical Session.

Track-1

“Web Applications and Network Security”

Invited Talk on “Network Security and Web Applications” by Chairperson Prof. K. Subramanian - Chair, IEEE Delhi Section.



Prof. (Dr.) K. Subramanian in his presentation discussed on following points in detail:

- As the Internet has evolved over the years, it has become an integral part of virtually every aspect in the business process cycle.
- The traditional approach to network security aims to protect resources such as servers, workstations, printers, internal databases, and other network resources.
- Architecting/ Building IT/ Software Projects.
- Organizations & ICT.
- Major Issues & Challenges in Large eGov Projects.
- Changing Role: Project Management in IS/IT in Enterprises.
- Four Mantras of Good Project Governance.
- Effective Information Assurance Practices.
- A combination of technology, innovation, leadership and inspired workforce-Ingredients for

- 15 Paper presentation were there in this Track of Technical Session.

Track-2

“Product Development”

Invited Talk on “IT Project Design, Development & Management” by Chairperson **Dr. A. Murali M. Rao**—Past Chair, IEEE CS, Delhi Section.

Video Session on "Software Reliability Models for Safety Critical Systems" by Chairperson **Dr. Lalit Singh**, Scientist, NPCIL, Department of Atomic Energy, Govt. of India.



Dr. A. Murali M. Rao gave his presentation on IT Project Design, Development & Management.

His main discussion points were:

- Project Management , Project Characteristics, Project Attributes, Project Manager & Functions of Project Manager.
- The Project Management Body of Knowledge (PMBOK), IT Project Knowledge Areas.
- Factors Ranking for Successful, Challenged, and Impaired Projects.
- Systems view of Project Management.
- Product Life Cycle/ Systems Development Life Cycle (SDLC), IT Project Methodology.
- Project Scope Management, Time Management & Cost Management.
- Project Quality Management, Human Resource Management, Communication Management.
- The importance of Project Risk Management.

- 12 Papers were presented in this Track of Technical Session.

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Track-3

“Artificial Intelligence, Fuzzy Logic & Genetic Algorithms”

Invited Talk on “Context Aware Computing Using Machine Learning Techniques” by Chairperson **Dr. Sumit Srivastava**, Senior Member, IEEE Delhi Section & Professor, Department of Computer Science & Engineering, Manipal University.



Dr. Sumit Srivastava gave his presentation on Artificial Intelligence, Fuzzy Logic & Genetic Algorithms

His main discussion points were:

- Application oriented model for fuzzy patterns as individual domain.
- The random models for the fuzzy perceptron's can be defined and modified for the multiple layer models.
- Similarity measure for mass estimation can also be studied for the fuzzy patterns defined.



- 17 Papers were presented in this Track of Technical Session.

Track-4

“Mobile & Pervasive Computing”

Invited Talk on “**Machine Learning Techniques for Sentiment Analysis Using Weka Tool**” by Chairperson **Dr. Arvind Kumar Sharma**, Assistant Professor, University of Kota, Rajasthan.

Invited Talk on “**Deep learning for Intelligent Systems**” by Chairperson **Dr. Ramesh C. Poonia**, Associate Professor (CS), AIIT, Amity University, Rajasthan.



Dr. Arvind Kumar Sharma gave his presentation on Machine Learning Techniques for Sentiment Analysis Using Weka Tool.

His main discussion points were:

- Sentiment Analysis is a New Dimension of Computer Science that is used to predict analysis like Positive, Negative or Neutral.
- The Machine Learning Techniques have been used to investigate the polarity of any product, person, organization etc. by using Weka Tool.
- To find out the Performance Metrics of the Machine Learning Algorithms such as Precision, Recall, F1 measure and Accuracy.



Dr. Ramesh C. Poonia gave his presentation on Deep learning for Intelligent Systems.

His main discussion points were:

- **Machine learning** is one of the fastest-growing and most exciting fields out there, and **deep learning** represents its true bleeding edge.
- Deep Learning has enabled many practical applications of Machine Learning and by extension the overall field of AI.

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Wrap Up and Valedictory Session

In the valedictory session key persons, practitioners and chair members shared their experiences of the conference. The certificate given ceremony was also held at the valedictory. **Prof. (Dr.) S. K. Calla, Director (D&W), SKIT & Dr. Arvind Kumar Sharma, Assistant Professor, University of Kota, Rajasthan** have given the Certificates to the Paper Presenters. He also pointed out that the discussions and the deliberation in the conference has shown new light and faith in the strength of partnerships and collaborations for development at a broader level. The two day conference ended with a brief closing speech by **Prof. (Dr.) Anil Chaudhary, HOD-IT & vote of thanks** delivered by **Mr. Panakaj Dadheech, Associate Professor, Department of Computer Science & Engineering.**



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CONFERENCE OUTCOMES

The next generation of research and development must be faster, enhanced, intelligent, integrated and secured. The conference helped the researchers and technocrats to deepen the understanding of Network Security and Forensics, Web Application Development, Cloud & Green Computing, Mobile & Pervasive Computing, Data Mining, Security and many more research areas and upcoming technologies.

Students were also benefited and updated their skills on the latest technologies to understand how next generation computing can contribute to deliver faster and integrated commercial viabilities.



कम्प्यूटर इंजीनियरिंग पर कॉन्फ्रेंस



जयपुर | एस्केआईटी, जगतपुरा में शुक्रवार को कम्प्यूटर साइंस एंड इंजीनियरिंग विभाग द्वारा इन्फोसिस, कम्प्यूटर सोसायटी चैप्टर व आईईईईई, दिल्ली सेक्शन के सहयोग से दो दिवसीय "इंटरनेशनल कॉन्फ्रेंस ऑन एमर्जिंग टेक्नोलॉजी इन कम्प्यूटर इंजीनियरिंग" - 2018 का आगाज हुआ।

Dainik Bhaskar 03.02.2018

इंटरनेशनल कॉन्फ्रेंस की शुरुआत

मोबाइल डिवाइस में होगी सुपर कम्प्यूटिंग पावर

जयपुर • टेक्नोलॉजी के ज्यादा इस्तेमाल के साथ ही साइबर सिक्योरिटी की चुनौतियां भी बढ़ गई हैं। बैंक फ्रॉड होने पर लोगों का पैसा फंस जाता है। ऐसे में सरकार को डिजिटल पॉलिसी इंटीग्रेट्स करनी चाहिए ताकि लोगों को अपनी मेहनत की कमाई का पैसा मिलने में कुछ राहत मिल सके। हालांकि लोगों को भी डिजिटल और नेट बैंकिंग को लेकर सावधानियां रखनी चाहिए। मसलन, छोटे ट्रांजेक्शन के लिए डेबिट, क्रेडिट कार्ड का इस्तेमाल न करे तो इन फ्रॉड्स को रोकने में आसानी होगी। यह कहना है आईईईईई पास्ट चेयर डॉ.ए. मुस्ली राव का। शुक्रवार से एस्केआईटी में सीएस डिपार्टमेंट की ओर से शुरू हुई दो दिवसीय इंटरनेशनल



कॉन्फ्रेंस में शिरकत करने आए राव ने कहा कि आने वाले समय में 'आधार' यूनीक आईडेंटिफिकेशन वर्चुअल आईडी के तौर पर इस्तेमाल होगा। सिंगापुर से आए एक्सपर्ट श्रीराम रामाकृष्ण ने कहा कि आने वाले समय

में सुपर कम्प्यूटिंग पावर मोबाइल जैसे स्मॉल डिवाइस में आ जाएगी। आईईईईई चेयर के सुब्रमण्यम ने ईवीएम टेम्पिंग के सवाल पर कहा कि ऐसा मुश्किल है, लेकिन यह 100 प्रतिशत सुरक्षित हो यह भी जरूरी नहीं है।

Rajasthan Patrika 03.02.2018

एसकेआईटी में कम्प्यूटर इंजीनियरिंग पर सेमिनार



जयपुर | स्वामी केशवानन्द इंस्टीट्यूट ऑफ़ टैक्नोलॉजी, मैनेजमेंट एवं ग्रामोत्थान, जगतपुरा में इंटरनेशनल कॉन्फ्रेंस ऑन एमर्जिंग टैक्नोलॉजी इन कम्प्यूटर इंजीनियरिंग - 2018 का समापन हुआ। इसे इन्फोसिस, कम्प्यूटर सोसायटी चैप्टर व आईईईईई, दिल्ली के सहयोग से हुआ। प्रो. सी.एम. चौधरी, यूनिवर्सिटी ऑफ़ कोटा के डॉ. अरविंद कुमार शर्मा, वैज्ञानिक डॉ. ललित सिंह, डॉ. एस.के. कल्ला ने संबोधित किया।

International conference held at SKIT

DNA Correspondent @jaipurdna

Jaipur: The first two days of International conference ICETCE-2018 was organised by CS department of Swami Keshvanand Institute Of Technology, Management & Gramothan, Jaipur (SKIT) in Gyan Mandir Auditorium on the topic "Emerging Technology in Computer Engineering".

Chief guest Shailendra Sharma (Additional Commissioner, Income tax Department), guests of honour prof Dr Arun Kumar Somani (Associate Dean for research, Iowa State University, USA), Lawrence Mohanraj (GM, IBM), Shiv Prakash Ojha (Senior Technology Architect, Infosys), prof Seeram Ramakrishna (Vice President, Research Strategy, NUS, Singapore), institute's chairman Surja Ram Meel, Jaipal Meel (Director), Dr SK Call (Director, D&W), Dr Ramesh Kumar Pachar (Principal), along with others began the

कम्प्यूटर साइंस में नई रिसर्च पर चर्चा



जयपुर ♦ जगतपुरा स्थित एसकेआईटी में शनिवार को कम्प्यूटर साइंस एंड इंजीनियरिंग विभाग द्वारा इन्फोसिस कम्प्यूटर सोसायटी चैप्टर व आईईईई, दिल्ली सेक्शन के सहयोग से आयोजित दो दिवसीय इंटरनेशनल कॉन्फ्रेंस का समापन हुआ।

कन्वीनर व कम्प्यूटर साइंस के विभागाध्यक्ष प्रोफेसर सी.एम. चौधरी ने बताया कि कॉन्फ्रेंस में कम्प्यूटर विज्ञान में उभरते नए शोध एवं तकनीकों पर कई

शिक्षाविद्, शोधकर्ता एवं इंडस्ट्री एक्सपर्ट्स ने चर्चा की।

दूसरे दिन यूनिवर्सिटी ऑफ कोटा के डॉ. अरविन्द कुमार शर्मा ने मशीन लर्निंग टूल से स्टूडेंट्स को अवगत कराया। साथ ही साइंटिस्ट डॉ. ललित सिंह ने वीडियो कॉन्फ्रेंसिंग के जरिए सॉफ्टवेयर रिलायबिलिटी मॉडल फॉर सेफ्टी क्रिटिकल सिस्टम पर टेक्नीकल में विस्तार से बताया।

इंटरनेशनल कॉन्फ्रेंस ऑन एमरजिंग टेक्नोलॉजी इन कम्प्यूटर इंजीनियरिंग का आगाज

जयपुर (कासं)। एसकेआईटी. में शुक्रवार को कम्प्यूटर साइंस एंड इंजीनियरिंग विभाग द्वारा इन्फोसिस, कम्प्यूटर सोसायटी चैप्टर व आईईईई, दिल्ली सेक्शन के सहयोग से दो दिवसीय इंटरनेशनल कॉन्फ्रेंस ऑन एमरजिंग टेक्नोलॉजी इन कम्प्यूटर इंजीनियरिंग (आईसीईटीसीई) - 2018 का आगाज हुआ। कॉन्फ्रेंस की शुरुआत चीफ गेस्ट ऐडिशनल कमीशनर, इनकम टैक्स विभाग, राजस्थान शैलन्द्र शर्मा, गेस्ट्स ऑफ ऑनर सीनियर टेक्नोलॉजी आर्किटेक्ट इन्फोसिस शिव प्रकाश, वाइस प्रेसिडेंट, एनयूएस, सिगांपुर प्रो. सिराम रामाकृणा, एसोसिएट डीन लोवा स्टेट यूनिवर्सिटी यूएसए प्रो. अरुण कुमार सोमानी, चेयरपर्सन आईईईई प्रो. के. सुब्रमण्यम, जीएम आईबीएम लॉरेन्स मोहन राज व संस्था के चेयरमैन सुरजाराम मील, डायरेक्टर जयपाल मील, डवलपमेन्ट एण्ड वेलफेयर डायरेक्टर डॉ. एस.के. कल्ला, प्राचार्य डॉ. रमेश कुमार पचार, आईटी विभागाध्यक्ष डॉ. अनिल चौधरी एवं कम्प्यूटर साइंस के विभागाध्यक्ष व कॉन्फ्रेंस के कन्वीनर डॉ. सी.एम. चौधरी ने दीप प्रज्वलित कर की। इस कॉन्फ्रेंस के कन्वीनर व कम्प्यूटर

Rajasthan Patrika 04.02.2018

Samachar Jagat 03-02-2018

SUMMARY

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